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 Surendar Chandra, Carla Schlatter Ellis, Amin Vahdat
 August 1999 **Proceedings of the 2nd ACM international workshop on Wireless mobile multimedia**

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- 2 [Adapting to network and client variability via on-demand dynamic distillation](#)
 Armando Fox, Steven D. Gribble, Eric A. Brewer, Elan Amir
 October 1996 **Proceedings of the seventh international conference on Architectural support for programming languages and operating systems**, Volume 30, 31
 Issue 5, 9

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The explosive growth of the Internet and the proliferation of smart cellular phones and handheld wireless devices is widening an already large gap between Internet clients. Clients vary in their hardware resources, software sophistication, and quality of connectivity, yet server support for client variation ranges from relatively poor to none at all. In this paper we introduce some design principles that we believe are fundamental to providing "meaningful" Internet access for the entire range of ...

- 3 [Factoring a mobile client's effective processing speed into the image transcoding decision](#)
 Richard Han
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Keywords: CPU, PDA, image processing, mobile, partitioning, proxy, transcoding

- 4 [Client-server computing in mobile environments](#)
 Jin Jing, Abdelsalam Sumi Helal, Ahmed Elmagarmid
 June 1999 **ACM Computing Surveys (CSUR)**, Volume 31 Issue 2

Full text available: [pdf\(233.31 KB\)](#)Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#), [review](#)

Recent advances in wireless data networking and portable information appliances have engendered a new paradigm of computing, called mobile computing, in which users carrying portable devices have access to data and information services regardless of their physical location or movement behavior. In the meantime, research addressing information access in mobile environments has proliferated. In this survey, we provide a concrete framework and categorization of the various way ...

Keywords: application adaptation, cache invalidation, caching, client/server, data dissemination, disconnected operation, mobile applications, mobile client/server, mobile computing, mobile data, mobility awareness, survey, system application

5 Cluster-based scalable network services

Armando Fox, Steven D. Gribble, Yatin Chawathe, Eric A. Brewer, Paul Gauthier
October 1997 **ACM SIGOPS Operating Systems Review , Proceedings of the sixteenth ACM symposium on Operating systems principles**, Volume 31 Issue 5

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6 Composable ad hoc location-based services for heterogeneous mobile clients

Todd D. Hodes, Randy H. Katz
October 1999 **Wireless Networks**, Volume 5 Issue 5

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7 Session summaries from the 17th symposium on operating systems principle (SOSP'99)

Jay Lepreau, Eric Eide
April 2000 **ACM SIGOPS Operating Systems Review**, Volume 34 Issue 2

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8 MPEG-4: an object-based multimedia coding standard supporting mobile applications

Atul Puri, Alexandros Eleftheriadis
June 1998 **Mobile Networks and Applications**, Volume 3 Issue 1

Full text available:  [pdf\(747.80 KB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#), [review](#)



The ISO MPEG committee, after successful completion of the MPEG-1 and the MPEG-2 standards is currently working on MPEG-4, the third MPEG standard. Originally, MPEG-4 was conceived to be a standard for coding of limited complexity audio-visual scenes at very low bit-rates; however, in July 1994, its scope was expanded to include coding of scenes as a collection of individual audio-visual objects and enabling a range of advanced functionalities not supported by other standards. One of the ke ...

9 Security on the move: indirect authentication using Kerberos

Armando Fox, Steven D. Gribble
November 1996 **Proceedings of the 2nd annual international conference on Mobile computing and networking**


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10 Composable ad-hoc mobile services for universal interaction

Todd D. Hodes, Randy H. Katz, Edouard Servan-Schreiber, Lawrence Rowe
September 1997 **Proceedings of the 3rd annual ACM/IEEE international conference on**



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Keywords: integration, process-centered software engineering environments, programming support environments, separation of concerns, software engineering environments, tools

12 [A proxy architecture for reliable multicast in heterogeneous environments](#)

Yatin Chawathe, Steve A. Fink, Steven McCanne, Eric A. Brewer

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P. K. McKinley, A. M. Malenfant, J. M. Arango

November 1999 **Proceedings of the international ACM SIGGROUP conference on Supporting group work**Full text available:  pdf(1.92 MB)Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

This paper describes Pavilion, an object-oriented middleware framework for developing collaborative web-based applications. Pavilion enables a developer to construct new applications by inheriting and extending its default functionality. Reusable and extensible Pavilion components include interfaces to common web browsers, a reliable multicast protocol tailored for delivery of web resources, a leadership protocol for floor control, and a highly modular proxy server that supports data type-s ...

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- ☐ **2. An extensible and scalable Content Adaptation Pipeline architecture to support heterogeneous clients**
 Phan, T.; Zorpas, G.; Bagrodia, R.;
 Distributed Computing Systems, 2002. Proceedings. 22nd International Conference on
 2-5 July 2002 Page(s):507 - 516
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 Dogan, S.; Eminsoy, S.; Sadka, A.H.; Kondo, A.M.;
 3G Mobile Communication Technologies, 2002. Third International Conference on (Conf. Publ.
 No. 489)
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- ☐ **4. Allocation of layer bandwidths and FECs for video multicast over wired and wireless networks**
 Lee, T.-W.A.; Chan, S.-H.G.; Qian Zhang; Wen-Wu Zhu; Ya-Qin Zhang;
 Circuits and Systems for Video Technology, IEEE Transactions on
 Volume 12, Issue 12, Dec. 2002 Page(s):1059 - 1070
 Digital Object Identifier 10.1109/TCSVT.2002.806816
[AbstractPlus](#) | [References](#) | Full Text: [PDF](#)(601 KB) IEEE JNL
- ☐ **5. PTC : proxies that transcode and cache in heterogeneous web client environments**
 Singh, A.; Trivedi, A.; Ramamritham, K.; Shenoy, P.;
 Web Information Systems Engineering, 2002. WISE 2002. Proceedings of the Third
 International Conference on
 12-14 Dec. 2002 Page(s):11 - 20
 Digital Object Identifier 10.1109/WISE.2002.1181639
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- ☐ **6. Streaming media caching algorithms for transcoding proxies**
 Xueyan Tang; Fan Zhang; Chanson, S.T.;
 Parallel Processing, 2002. Proceedings. International Conference on
 18-21 Aug. 2002 Page(s):287 - 295

Digital Object Identifier 10.1109/ICPP.2002.1040884

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7. Distributing Internet services to the network's edge

Weaver, A.C.; Condry, M.W.;

Industrial Electronics, IEEE Transactions on

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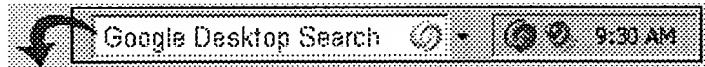
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